

New Jersey *Small Biz*

New Jersey Department of Environmental Protection

A Newsletter for New Jersey's Small Businesses

Vol. 2 Issue 1 Spring-Summer 98

General Permits: Are they for you?

A general permit is a pre-approved permit and certificate to operate that applies to a specific group of significant sources of air emissions. A company can register for a general permit if it meets all of the requirements in the general permit.

These General Permits will allow you to simply register your equipment if it fulfills all of the requirements of one of the categories listed above. Some of the General Permits include caps on the potential to emit (PTE) of certain pollutants. All applicable legal requirements and appropriate compliance measures are also included in the general permit. Different levels of operational flexibility are incorporated into some of the General Permits, based upon the selections made by the applicant.

The General Permits will help take the guesswork out of obtaining air permits for these types of equipment and determining what is necessary to be in compliance.

The NJDEP has developed general permits for the following categories:

* A single boiler that is less than 10 million BTU s per hour combusting natural gas or Number 2 commercial fuel oil or both (and no other fuels).

* A single emergency generator that operates no more than 500 hours per year and has a maximum rated heat input that is less than or equal to 15 million BTUs per hour (generating approximately 1.5 megawatts of electricity) when combusting diesel fuel, or 40 million BTUs per hour (generating approximately 4.0 megawatts of electricity) when combusting natural gas.

* A stationary storage tank, which does not have a floating roof, has a maximum capacity of 300,000 gallons and is used for storing Volatile Organic Compounds (VOCs) with a vapor pressure within the applicable limit. 1. If the tank has a maximum capacity of 20,000 gallons or less, the vapor pressure shall be less than 11.1 psia (pounds per square inch absolute) at 70 degrees F; 2. If the tank has a maximum capacity of more than 20,000 gallons but less than or equal to 40,000 gallons, the vapor pressure shall be less than 4.0 psia at 70 degrees F; 3. If the tank has a maximum capacity of more than 40,000 gallons but less than or equal to 300,000 gallons, the vapor pressure shall be less than .75 psia at 70 degrees F.

* Retail gasoline stations (Stage 1 & 2) with one or more tanks and/or pumps used for storing and/or pumping gasoline, diesel fuel, or kerosene, located at a single service station (retail or non-retail), if the station:

1. Receives gasoline, diesel fuel, or kerosene from a delivery vessel and puts it into a stationary storage tank; 2. Transfers gasoline from a storage tank into a gasoline vapor laden fuel tank; 3. Has Stage 1 vapor recovery equipment which complies with N.J.A.C. 7:27-16.3 on all gasoline tanks at the station; 4. Has Stage 2 vapor recovery equipment, which complies with N.J.A.C. 7:27-16 on all gasoline pumps at the station.

* Woodworking equipment, located at the same facility, where all the air contaminant emissions from the equipment are captured and vented to a particulate control apparatus with a minimum removal efficiency of 99 per cent.

* One or more pieces of enclosed abrasive blasting equipment, located at the same facility, where all particulate air contaminant emissions from the equipment are captured and vented to a particulate control apparatus with a minimum removal efficiency of 99 per cent.

* A bulk solid materials receiving and storage system, which uses pneumatic or mechanical conveying, where all particulate air contaminant emissions are captured and vented to a particulate control apparatus with a minimum removal efficiency of 99 per cent.

Most of the General Permits cost \$250.00 per permit/registration and will be good for 5 years.

For more information and copies of the General Permits, contact the Bureau of New Source Review at (609) 633-2829. The General Permits will soon be found on the INTERNET at: <http://www.state.nj.us/dep/aqpp>.

COMING SOON -

OTHER GENERAL PERMITS

Phase 2 - Fall 1998

- * Dry Cleaning Equipment
- * Boilers (10-20 Million BTUs/hour)
- * Site Cleanup for Retail Gas Stations

Phase 3- 1999

- * Chrome Plating (Non-MACT Affected)
- * Plastics Processing

Subchapter 8 is Changing

Listed below are changes in the Subchapter 8 revision that may affect small sources:

1. State of the Art (SOTA) provisions have been added at Section 8.12 [Sources must demonstrate SOTA if the source emits 5 tons or more of an air contaminant].
2. General Permits for small sources at Section 8.8.
3. Allows "At Risk" construction, but not operation during the DEP review period at Section 8.24.
4. Allows "At Risk" changes to equipment and construction of control apparatus and operation during DEP review period at Section 8.25.
5. Minor Changes to Applicability Section at 8.2 [paint spray equipment using <0.5 gallons per hour has been deleted; dry cleaning equipment added; waste and wastewater treatment separated; equipment processing 50 pounds/hour moved to Section 8.2[c] 19.]
6. ***Made the process for revisions to existing permits similar to Subchapter 22 Operating Permits.***
 - Permit Revision (8.18) Requires NJDEP approval and full review before the change to an approved permit. The criteria include: A. Increase in maximum allowable emissions; B. Emits new air contaminant that is not in the permit or the actual emissions are over the maximum allowable emission limit; C. Introduction of a new raw material which triggers "B" above; D. Reconstruction [replacement of parts for a source if it's more than 50 per cent of the cost of a new unit and also \$80,000 in 1995 dollars]; E. Increase in the ground level concentration of a contaminant; F. Replacement of an entire source if it exceeds the SOTA threshold (as shown in Tables A & B of Appendix 1 in Subchapter 8); G. Adding a new source to a permitted existing source.
 - Compliance Plan Change (8.19) Requires NJDEP prior approval with shortened application and review time before changing the approved permit. The criteria include: A. Decrease in the frequency for testing, monitoring, record keeping or reporting that was specified in the permit; B. Change in monitoring method; C. Change in operational parameters; D. Reduction in potential to emit if permittee wants the change to be federally enforceable.
 - Seven Day Notice (8.20) Changes to an approved permit can be made 7 days after notifying the NJDEP. Any action which meets all 3 of the following: A. A physical or operational change outside the scope of what's allowed in the permit, and; B. Increases actual emissions up to, but not over, the allowable emissions, and C. Results in no increase in ground level concentrations of air contaminants outside the building. NOTE: The emissions can not exceed the permit limitations and new emissions can not exceed the threshold reporting limits cited in Tables A & B in Subchapter 8.
 - Amendments (8.21) Applicant submits notice of certain minor changes made to the approved permit up to 120 days after the change. The criteria include: A. Administrative changes to the permit; B. Ownership transfers; C. A Change to the Name, Number or Designation given to any stack or equipment found in the permit; D. A stack parameter which decreases the ambient concentration; E. A raw material change if it doesn't increase the actual emissions, or exceeds a threshold reporting level in Tables A & B; F. Replace equipment or control if the Potential to Emit is less than SOTA (see Tables A & B); G. Correction of a typographical error, unless the correction would result in an increase in the actual or allowable emissions.

Exemptions from Permits and Certificates

1. Pressurized Storage Tanks
2. Storage Tanks, Reservoirs and Bins on Farms
3. Equipment covered by an approved Operating Permit (Subchapter 22)
4. Aeration and Settling Basins and Lagoons at Publicly Owned Treatment Works or Domestic Treatment Works
5. Woodworking Equipment that sands, drills, cuts, or planes unpainted wood products, which vents solely into a room
6. Handheld Equipment

7. Battery Charging Stations
8. Non-Production Process, such as maintenance, laundry, food services, and architectural maintenance
9. An Incinerator in a one or two family dwelling
10. Grandfathered Sources

Odor Prevention Measures

If the permit and certificate shall cover any of the sources listed below, the application, registration or notice shall also include a demonstration that appropriate odor prevention measures will ensure compliance with the odor provisions at N.J.A.C. 7:27-8.3 [J], and 7:27-5:

1. Sewage sludge treatment and storage equipment;
2. Municipal wastewater treatment equipment;
3. A landfill;
4. A municipal solid waste transfer station;
5. A composting facility;
6. Coffee roasting equipment; or
7. Equipment used for slaughter, meat or shellfish processing, meat byproduct processing, or rendering.

For copies of Subchapter 8 and more information, contact the Bureau of New Source Review at (609) 633-2829.

STATE of the ART (SOTA) Manuals

The NJDEP, in conjunction with industry, has developed SOTA manuals for the following: Storage Tanks; Transfer Operations; Refineries; Asphalt Plants; Chemical and Pharmaceutical Manufacturing; Degreasers and Surface Cleaners; Surface Coaters and Spray Booths; Ethylene Oxide Sterilizers; Municipal Wastewater Treatment Systems; Site Remediation; Bakery Ovens; Boilers; Engines; Turbines; Glass Plants; Paint, Ink and Adhesive Manufacturing Industries; Graphic Arts Industry; as well as a general SOTA manual.

For copies of or more information about the SOTA manuals, call the Bureau of Air Quality Engineering at (609) 984-3023 or check the new INTERNET page for SOTA at: "http://www.state.nj.us/dep/aqpp/sota.html".

RADIUS & You - Perfect Together - What is RADIUS?

RADIUS is the Remote AIMS Dial-In User System or, in other words, a computerized program on CD ROM to aid you in preparing permit applications, revisions, amendments, compliance plans, seven day notices and emissions statements. RADIUS has an application wizard to help you select the correct form(s), a compliance plan, and permit conditions. RADIUS will allow you to submit the permit application, etc., on a computer floppy disk rather than paper forms.

RADIUS can run an administrative check, which will identify warnings (fields that may or may not need to be filled in) and required fields. This will help to take the guesswork out of what is needed on the permit application.

RADIUS also contains a Permit Conditions Library. NJDEP and industry jointly developed this library. The Permit Conditions Library covers 45 source categories, with detailed reviews of current regulations, emission limits, design requirements, operating limits, existing permits, and monitoring, recordkeeping and reporting requirements. This provides you with what is needed to complete any operating permit or preconstruction permit action and permit modifications, including general permits.

Starting next year, emissions statements can be submitted using RADIUS.

A RADIUS prepared floppy disk can be read only by the Air Information Management Systems (AIMS) at NJDEP. The AIMS system will allow NJDEP to review the permit action on the floppy disk much more quickly and efficiently. This should reduce the review time to complete a permit action. By using a PIN number, only you and the AIMS system will be able to open your application once you submit and lock it on a floppy disk.

For more information, contact one of the help lines: Pre-Construction Permits and Minor Facilities, (609) 633-7259; Major Facilities only, (609) 633-8248.

A copy of RADIUS is available on the INTERNET at: <http://www.state.nj.us/dep/aqpp/radius.html>.

Cook College will offer a "Re-engineering Air Quality Permitting Seminar" on June 16-17, 1998. This will cover General Permits, Subchapter 8, SOTA, Standard Permit Conditions and RADIUS/AIMS. For more information, contact the Office of Continuing Professional Education at (732) 932-9271.

HEADS UP

- The NJ Division of Motor Vehicles (DMV) has established emissions tests and standards for diesel trucks and buses. As of April 1, 1998, if a vehicle fails inspection, the fine for a first offense is \$700 and \$1,300 for a second offense. If the repairs are made within 45 days, the fines are reduced to \$150 for the first offense and \$500 for the second offense. Proof of repairs must be submitted in court. After July 1, 1998, trucks and buses will have to be inspected at centralized, approved inspection stations within 90 days after registration. NOTE: Between July 1996 and March 1, 1998, 23 per cent of 88,200 vehicles failed the random roadside inspections performed by DMV. The random roadside inspections will continue.
- EPA is requiring Risk Management Plans for an estimated 66,000 facilities nationwide to be submitted as of June 21, 1999. These facilities will include: propane retailers and users; drinking water and municipal treatment works; agriculture retailers; food processors, food wholesalers and others with refrigerated warehouses and cold storage using ammonia; electric and gas utilities; chemical, petrochemical, petroleum refining and paper and paper allied industries; wholesale chemical distributors; federal facilities; military installations; other manufacturers; colleges and universities, and some service industries.
For more information, call EPA's Hotline at (800) 424-9346.
- The EPA and DEP are reminding facilities with USTs installed **before 1988** that they have until **December 1998** to comply with the requirements designed to prevent future leaking USTs.
For more information, contact DEP at (609) 292-8761.

The USEPA will telecast a live program, "Waste Prevention Pays -Businesses Cut Costs by Cutting Waste" by satellite on June 17 from 11 AM to 1 PM. The USEPA will discuss industry success stories on cutting waste and saving money through the WasteWi\$e program. It will be shown at NJIT's Newark and Mt. Laurel sites, Cook College in New Brunswick and Stockton State College in Pomona. There is a \$10 per person registration fee. For more information on this teleconference or to register, call Cook College's Office of Continuing Professional Education at (732) 932-9271.

EPA Small Business Compliance Assistance Centers

*** National Metal Finishing Resource Center**

INTERNET- <http://www.nmfrc.org>

Paul Chalmer (315) 995-4911

*** Printer's National Compliance Assistance Center**

INTERNET-

<http://www.hazard.uiuc.edu/pneac/pneac.html>

Gary Miller (217) 333-8942

*** Greenlink - the Automotive Compliance Information Assistance Center**

INTERNET- <http://www.ccar-greenlink.org>

or (800) 476-5465

*** National Agriculture Compliance Assistance Center**

<http://es.inel.gov/oeca/ag/aghmpg.html>

Ginah Mortensen (913) 551-7270

Contacts

For more information or suggestions, please feel free to call:

OMBUDSMAN'S OFFICE

John Serkies, Esq.

Office of Prospect Marketing

NJ Department of Commerce and Economic Development

20 West State Street, P.O. Box 823

Trenton, NJ 08625-0823

Phone (800) 643-6090 or (609) 292-0700

FAX (609) 777-3106

SBAP

Chuck McCarty, Manager

Small Business Assistance Program

NJ Department of Environmental Protection

401 East State Street, P.O. Box 423

Trenton, NJ 08625-0423

Phone (609) 292-3600

FAX (609) 777-1330

New Jersey Department of Environmental Protection
Small Business Assistance Program
401 East State Street, 3rd Floor
P.O. Box 423
Trenton, NJ 08625-0423

